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COPY
11 PAGES

TCS - 8280/65

DATE June 1965

CENTRAL INTELLIGENCE AGENCY
PHOTOGRAPHIC INTELLIGENCE DIVISION
PHOTOGRAPHIC INTELLIGENCE REPORT

CHERNIKOVSK REFINERY
USSR

CIA/PIR-5009/65



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CHERNIKOVSK REFINERY

1. Chernikovsk Refinery is the north member of the refinery complex which also includes the Staro-Ufa and Novo-Ufa refineries. All three are located in the Chernikovsk sector of the Ufa region. It is situated approximately 10.2 nautical miles NNE of the Ufa Airfield, along the northeast bank of the Belaya River, about a mile from the present channel. The geographic coordinates of the approximate center of this refinery are 54 55 07N - 56 03 30E (See Figures 1 and 2).

Chernikovsk Refinery is generally rectangular in shape, with maximum dimensions of approximately 13,500 feet by 5,500 feet oriented in a general North-South direction. The total area occupied by the refinery is approximately 56,000,000 square feet or about 2 square milgs.

This petroleum refinery appears to be basically a complete refinery as most of the components normal to such an installation are present. A considerable amount of ground has been left vacant adjacent to units within this plant, indicating possible plans for future expansion of capacity. Space is also available for further extension of the plant area if so desired.

Construction has occurred on several units at this refinery during the period from which photographic coverage is available. Details concerning these changes are discussed in part b of section 2.

2. Individual sections of the Chernikovsk Refinery are outlined and annotated on the overlay to Figure 6 of this report.

a. Identification and analysis of these sections is presented under the number corresponding to that on the overlay.

- (1) Probable waste settling pond
- (2) Possible waste treatment facility
- (3) Tank farm, with tank car loading and unloading racks, probable warehouses, and possible packaging and shipping facilities in north portion of area
- (4) Thermal power plant and associated facilities
- (5) Tank farm, probable crude storage
- (6) Possible crude distillation units (two)
- (7) Tank farm, probable intermediate and final product storage
- (8) Probable lube oil refining area
- (9) Water treatment area, with spray and settling ponds, many cooling towers, and some tankage

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- (10) Flare tower, small building and two gas holders nearby
- (11) Probable cracking units (two)
- (12) Area of probable desalting units with administration and shop buildings also present
- (13) Administration area
- (14) Multipurpose area including warehousing and probable packaging (rail served buildings), shop and maintenance buildings, tankage, and several large unidentified probable processing buildings
- (15) Tank farm, probable crude and product storage
- (16) Probable large distillation units (two)
- (17) Unidentified processing units (two) and an area of construction at the north end of this section
- (18) Series of units possibly for recovery and processing of gases from cracking operations
- (19) Cracking unit
- (20) Large unidentified processing unit
- (21) Tank farm, probable intermediate and final product storage
- (22) Area of construction
- (23) A number of unidentified processing units, possibly associated with petrochemical manufacture rather than standard petroleum refining processes
- (24) Tank farm, partially completed buried tanks showing little or no change in status of construction between

25X1D [REDACTED]

b. The locations where major changes have occurred during the period of time covered in this report are annotated with letters on the overlay sheet. A description of these changes, under the letter corresponding to that on the overlay, follows:

- 25X1D (a) Three large and several small buildings have been built in this portion of the probable lube oil section. Construction had started in this area by [REDACTED] and appears complete on the latest available coverage. 25X1D

- 25X1D (b) An additional possible wax removal and treating installation and an unidentified unit were under construction in [REDACTED] and are apparently complete by [REDACTED] in this portion of the lube oil section. 25X1D

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- (c) Several additional cooling towers and treating ponds have been built in the water treatment section of the refinery at various times between [REDACTED] 25X1D
- 25X1D (d) This possible gas treatment unit was under construction in [REDACTED] and appears to be complete by [REDACTED] 25X1D
- 25X1D (e) An unidentified unit is presently under construction at this location.
- 25X1D (f) Earth scars present in this area on photography from [REDACTED] indicate the possible erection of a new unit at this location.
- 25X1D (g) The building of a small tank farm had started in this area by [REDACTED] and additional tanks have been built since that date.
- 25X1D (h) An unidentified group of three processing units was started in this area by [REDACTED] and is apparently nearing completion in th [REDACTED]
- 25X1D (i) Construction on three of the possible petrochemical installations in this area was in progress at the time of the earliest coverage over this refinery [REDACTED] These plus two additional units appear to be complete on photography from [REDACTED] A considerable amount of tankage has been added to the tank farm adjacent to and east of this area during this same period.

3. Transportation facilities available to the Chernikovsk Refinery include: A rail spur from the Trans-Siberian Railway, an apparently well maintained road running NNE from Ufa by this refinery complex; docking facilities on the nearby Belaya River, and probable underground pipelines. A thermal power plant is located adjacent to the southeast corner of this refinery and a considerable volume of water is available from the nearby river.

4. Plumes of smoke and steam from several of the refining units, the power plant, and cooling towers indicate that at least parts of this refinery have been operable throughout the period from [REDACTED]

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5. All measurements have been made by the CIA/PID/IB project analyst. They should be considered as approximate and must not be taken as official NPIC mensuration data compiled by the Technical Intelligence Division, NPIC.

ENCLOSURES:

- 2 Annotated Maps
(CIA/PID/IB-P-596/65 and P-597/65)
- 3 Annotated Photos
(CIA/PID/IB-P-598/65 thru P-600/65)
- 1 Annotated Photo w/overlay
(CIA/PID/IB-P-601/65)

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REFERENCES

PHOTOGRAPHY

25X1D



MAPS OR CHARTS

General Locator Map, USSR - 29656 1-61 (UNCLASSIFIED)
ACIC. US Air Target Chart, Series 200, Sheet 0165-10S
1st edition, September 58 (CONFIDENTIAL)

REQUIREMENT

CIA. C-RR4-81,228

CIA/PID PROJECT

30293-4

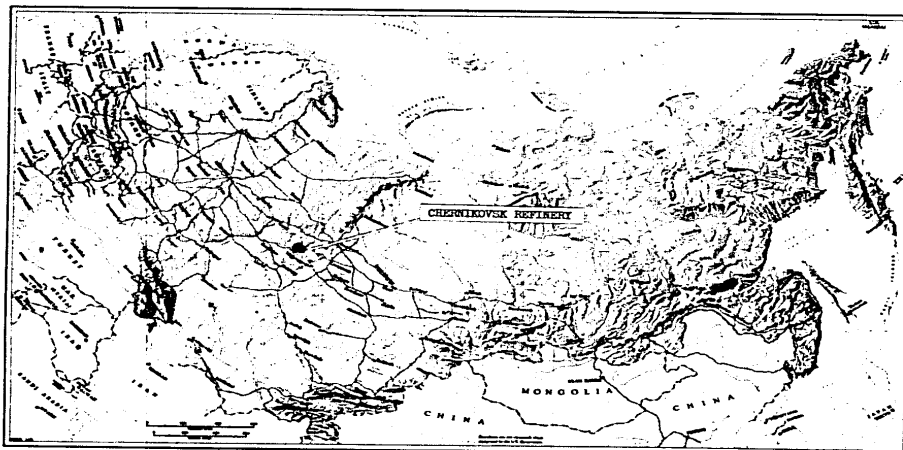
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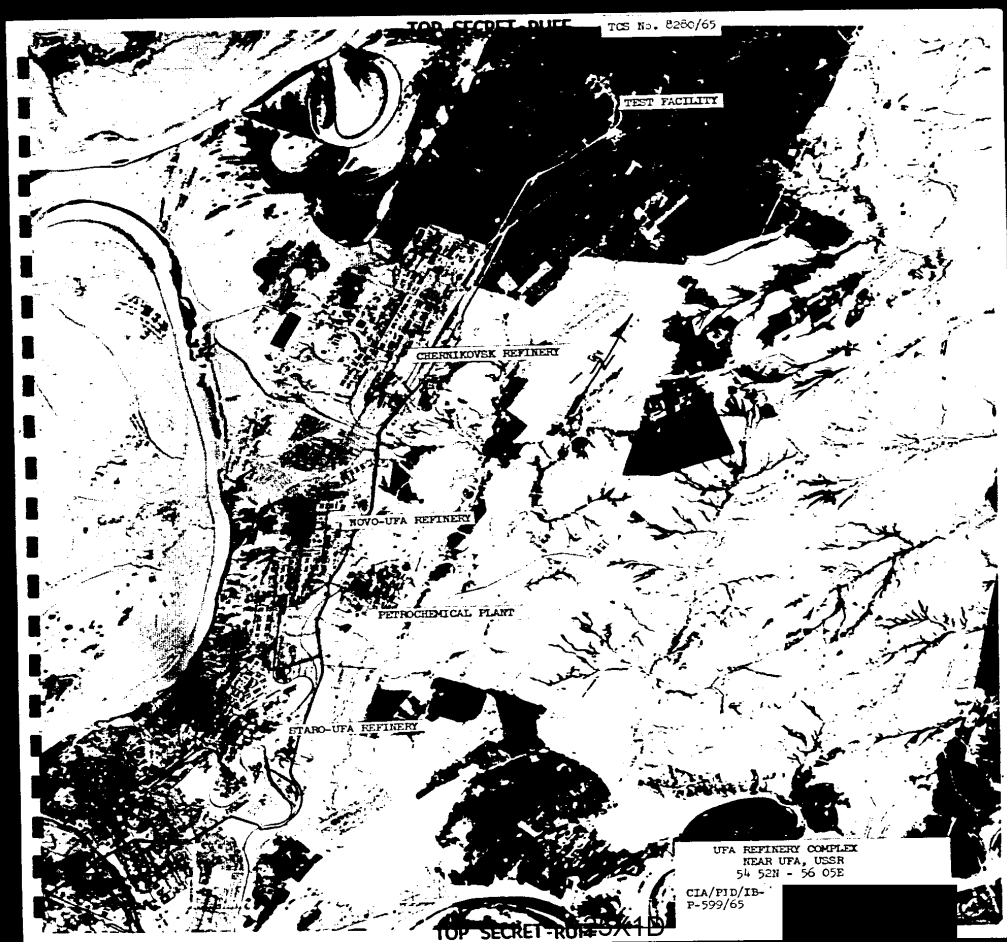
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UFA REFINERY COMPLEX
NEAR UFA, USSR
54 52N - 56 05E

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25X1D

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